



THE BLURB

PHILMONT MOBILE RADIO CLUB INC.

September
1960

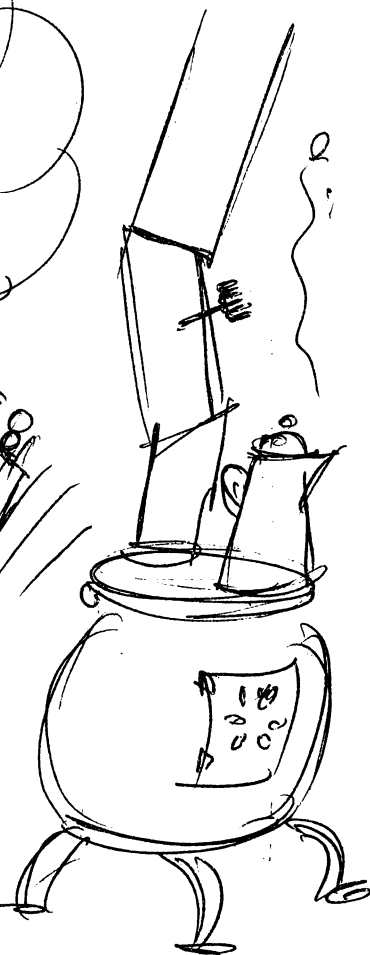
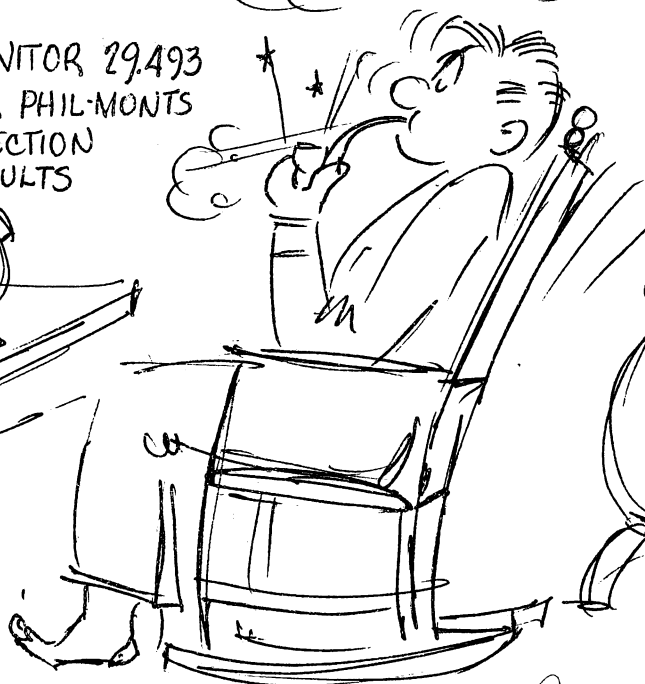
SEC?

PRES!

TREASURER?



MONITOR 29.493
FOR PHIL-MONTS
ELECTION
RESULTS



Time to dream up some
CANDIDATES!

THE BLURB

Published Monthly by the
Phil-Mont Mobile Radio Club, Inc.

VOLUME 10

September 1960

No. 9

EDITOR

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Cartoonist	W3YHV
Technical Editor	K3HLJ
Typist	K3JQC
New Members Chairman	W3CDY

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Boss Stitcher....W3JIL	Collater...K3DJE
Printer.....W3WNC	

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep news accurate, interesting and in a small way, educational. Any deviation from this is unintentional. Copying and quoting is permitted, provided credit lines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, ZPP, before the fifteenth of the month.

1960 CLUB OFFICERS

PRES.	Hymen N. Hecht	W3WNC
V.PRES.	Lloyd Sherman	W3CDY
SEC'Y	Charles Greenwood	W3GOW
TREAS.	Tom Donnelly	W3VCE

HRD. of DIR: W3's NIP, VVS, QQH, AWH, DOU
and all 1960 Club officers

MEETINGS

Regular meetings are normally held on the 1st Monday of the month. Check Calendar at right for the exact date. Meetings are held at the FRANKLIN INSTITUTE at 21st Street and the Parkway, starting at 2000 hours. (8:00 P.M.)

NET AND NET FREQUENCIES

CH 1 - 29493 kcs.	CH 3 - unassigned
CH 2 - 28626 kcs.	CH 4 - 50.7 mcs.
Scrambled egg net Weekdays	0730-0830
Ten on Ten Sundays	1000-1100
Blarney Sessions Anytime	CH 1 or 2
29493 is monitored daily	0930-2400

for the benefit of mobiles in the Phils area.

FMRC CALENDAR OF EVENTS

September 11	ST. DAVIDS GOLF MATCH
September 12	REGULAR MEETING 8 P.M. Franklin Institute Program: Film
September 21	MID-MONTH MEETING QTH YJM 692 Deaver Drive Blue Bell, Pa.

SEND ALL COMMUNICATIONS FOR THE BLURB
TO THE EDITOR, W3ZPP

THE PREZ SEZ:

Here it is September. The summer is almost over and vacation time is again a year away.

Mobile operation will soon fall off, and fixed station operation will begin to pick up. To be sure that your station will be on the air through the winter, check your antennas. Now is a good time to do it-before the cold weather sets in. With the antennas in good shape, give the rig a good going over. Once that is done, you will have a going station that you will be able to enjoy throughout the winter months.

With a good working station, the next thing to do is to clean up the shack. You will probably find many items that have been around for a long time and if you don't have any use for them, put them in shape and bring them up to the auction in October. You will be doing yourself and others a favor by disposing of the stuff you no longer need.

With a good working rig and a clean shack, you are in business. With the money from the auction you can buy that extra piece of gear you have been wanting.

I think this is pretty good advice-dont you?

de

W3WNC

PHIL-MONT 1961

This is the time of the year we are looking forward to renewed Ham activities. With the advent of shorter daylight hours, cooler evenings, fewer garden chores and better band conditions, we focus our thoughts on what lies ahead for the coming Ham season.

Now is the time to think of your club. Who would you like to see at the helm guiding Phil-Mont in 1961? Elections will be coming soon. Who is the best man for each of the elected offices???? That is the question we should be asking ourselves right now.

The club potential and facilities are greater than ever. Let's make this the biggest year Phil-Mont has had yet. To do this we must have the right men in the right jobs; with the entire membership lending their full support.

There isn't one amongst us who isn't proud to say "I am a member of the Phil-Mont Mobile Radio Club". If you didn't feel this way you would not have joined FMRC.....if you don't, you should not now be a member.

What have you done to earn this pride????

The past officers and members of past years have laid a fine cornerstone on which to build. At no time in Phil-Mont's history has it been more important for us to have good leadership.

If you are called on to run for office, please do so whole heartedly...knowing full well that the nominating committee has given you careful consideration.

We can't all be President, Secretary, etc., but we can all vote for the man we think can best serve our club and then back him up with our full support.

We are fortunate in having many fine eligibles for each office. Start now to think about, ask about, and do something about the coming elections.

W3ZPP

MIDMONTH will be held Wednesday 21st of September at the QTH of Charlie W3YJM. All Phil-Mont members are welcome to come out and those of you who were out the last time Charlie held Mid-Month, I know will come again.

FIRST ANNUAL HAMFEST GLOUCESTER COUNTY AMATEUR RADIO CLUB

Sunday, September 18th, 1960 - Molis Farms - Malaga, N.J.

All Hams and their families are invited. Tickets \$1.00 per family in advance, or \$1.50 at the gate.

Features include-- Prizes for Hams, wives and kids.
Games of all kinds for all ages and sexes
Swap and Shop Booth
Hot Dogs and cold drinks for sale
Picnic tables and barbecue pits galore
Swimming and bathing
Talk-in for mobiles (2 - 6 - 10)

For advance tickets contact G.C.A.R.C. Corresponding Secretary W3AFZ - Della Parker
305 East Olive Street, Westville, N.J.

Clam Bake this year has been cancelled due to lack of interest. Perhaps we let this affair slip by the wayside by not getting up on the soap box about it earlier in the season. So let's talk this affair up and get some tickets out come next spring.

Amphenol has come out with a new 621-111, Polyfoam RG-8/U Type, a new low-loss Polyfoam dielectric cable similar to RG-8/U, 621-111 has the same core, braid and jacket dimensions but uses a larger center conductor to maintain 50 ohm nominal impedance. Both attenuation and capacitance are approximately 15% less than RG-8/U. A standard UHF plug may be used (83-1SP).

Dielectric strength is 5000 V. RMS, corona 3000 V. RMS, attenuation is 4 db/100 ft. at 400 mc. (nominal) and capacity is 26.0 mmf/ft. (nominal).

Walt, W3CHZ, is at this writing in the Bryn Mawr Hospital Room 201. Seems like Walt has a perforated ulcer and requires an operation. I am sure that all of us wish Walt a speedy recovery, but let's each one of us send him a card or a note. Pick up the phone and say hello...I know that it will mean much to him. Wouldn't you appreciate it if it were you ??

Phil-Mont Mobile Radio Club has thrown out the welcome mat to three new members-W3DYP, K3LFX and W3GSU. Glad to have you as members. Join one or more of the several committees, who can always use help, and get the most out of being part of the club.

Few of us can hope to make the world better, but we can all refrain from making it bitter.

At last count, there were 179,000 licensed amateur radio stations in the United States!!!

Coffee Mugs, I am told, will be ordered again for those of you who want them. Seems like we have a lot of coffee drinkers or the XYL's are growing a lot of African Violets!

The Nice Things in Ham Radio

Most of us are on the air quite a bit and do a lot of yacking. However, every now and then something extra nice happens to give us a special feeling that our hobby is the greatest. For me, 22 August was one of those days. Jim, W3KAA called me on the phone and told me he had Andy, WHIYT, on the rig and he wanted to say hello. For those of you who may not know it, Andy is the editor of the Florida Skip, (we use some of his material now and then), a real fine paper and lives in Miami Springs, where I used to live. This was the first time I really got to work Andy and I was sorry not to get the chance to say hello to his XYL, Betty, a real right arm for him. I first heard WHIYT when he ran code classes about six years ago. While this is a personal thing, I felt so good about it that I just had to take this opportunity to let Jim and Andy know.

To All of Phil-Mont Mobile Radio Club

A very lovely note was received from Anne Hecht, thanking the club for the beautiful flowers and the kind expressions of sympathy that were sent..they were deeply appreciated.

JOHNSVILLE MODEL PLANE CONTEST

Sixteen operators and fourteen mobile units including the Comm Truck showed up for duty at the Johnsville Naval Air Development Center August 21 for retrieving service at the Model Airplane Contest held there. W3LNU and W3MVG arrived early (on time, that is) and were followed up by QQH driving the red truck minus the putt-putt, which had proved impossible to get running. The rest of the gang arrived in quick order, but flying did not get under way until late in the morning so there was not too much to do at first except get oriented. In the afternoon as the wind built up, planes began flying beyond the bounds of the field and the boys located at strategic spots began retrieving planes at a rapid rate, much to the delight of the fliers who otherwise could have been out of luck. During this time W3AHP and K3IFX held down NCS duties at W3RQZ. The truck had to be operated on commercial power after several attempts to get a generator loaned by W3QV to operate, failed. In all, about 32 planes were returned to their owners. Of these, approximately 14 were genuinely lost, the others being picked up as their owners struggled over the fence around the field. K3GNJ made a friend for life as he spotted the fellow's model while tramping through a cornfield. Even those owners who never really lost sight of their planes seemed thankful that there was a friendly party waiting for their plane to touch down rather than an irate farmer or thief.

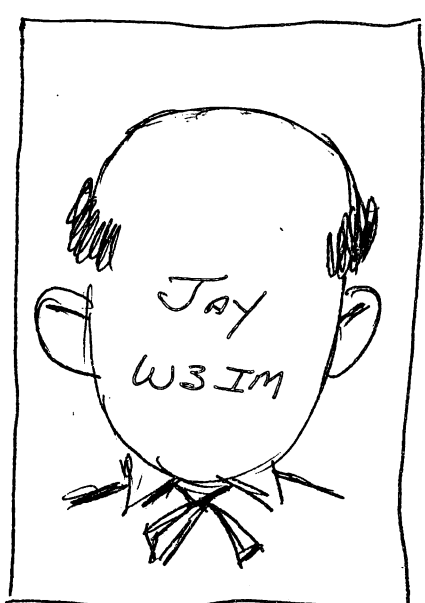
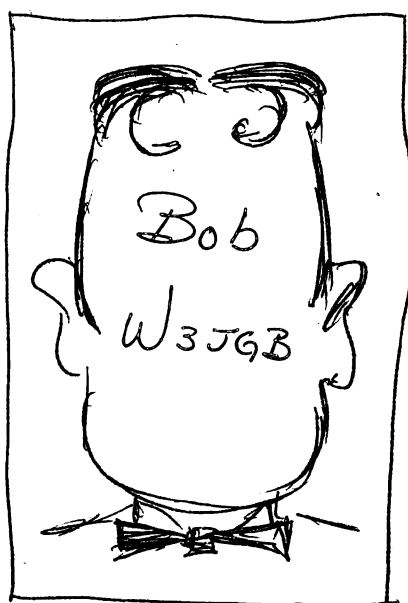
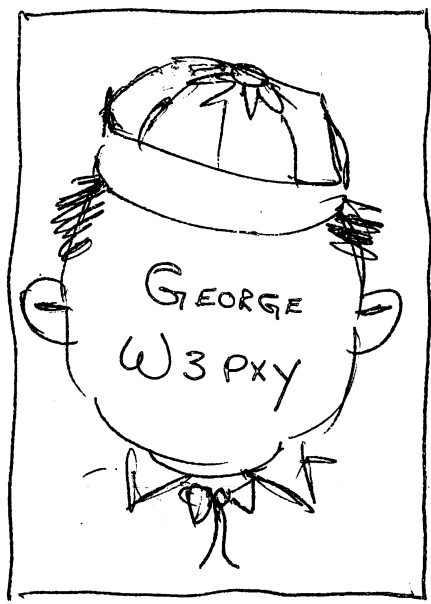
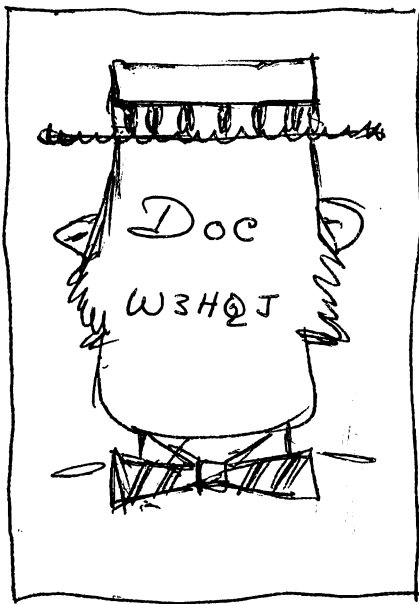
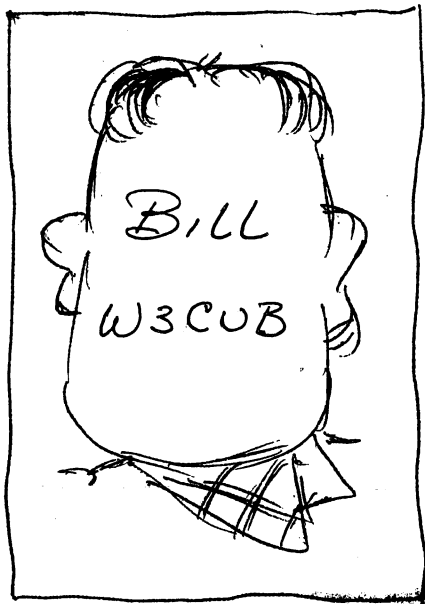
This event proved a good tune-up for the Nationals Contest which will run next summer for an entire week. Although we can expect a high level of activity to be maintained throughout the Nationals rather than for just a few hours as in this contest. CU then.

Participants in Retrieving Service: W3LNU W3MVG W3QQH W3QZD W3MHR K3GNJ
W3AHP K3IFX W3SRU W3DJV W3URK K3GMA
W3YEV W3JNG W3PWC K3CHA

de W3QZD

WANTED!

TO SEE THE FOLLOWING MISSING
MEMBERS



(Auto-Call)

We had a request to reprint the following article which appeared in the July 1960 issue of Auto-Call, we sim to please...

"THE RIG HERE IS A....."

Sometimes we think they have oversold the soap. By "They" we mean the hucksters - the advertising agency boys who put fancy names and numbers on ham gear, plus all sorts of descriptive hogwash that is supposed to make Joe Q. Ham just drool until he has a new "Glockenziller 63". Sure there was a time, and we don't have to strain to remember it, when you were sort of ashamed to mention the fact that your transmitter was a "boughten" one. To say your rig was commercial was sort of liek admitting you were a dunderhead who couldn't put a nut on a bolt and make it stay there. If you did have a commercial built rig, you hid the fact by describing it as "a pair of 801's modulated by a pair of 841's" - or something like that.

Today, the heart of every 8phone QSO is that stupendous announcement, "The rig here is a DX-100", "Transmitter is a B & W 5100B", "I'm running a Hallicrafters HT-32A barefoot" (or "into a HT-33A linear"). And the very worst of all is the jackass who simply says, "I'm running the S-line here, OM". Like saying, "I'm on the top of the heap. Show your money, or else don't touch me but lightly."

Does anybody call them boors on the air? Not that we know of although W20Y has some interesting language around 3804 KC (For anyone who isn't an AM operator with a Class A license!) Imagine, if you will, what would happen at a private party if a guest walked in, and started off his conversation thusly:

"Good evening. I'm Bill Gotgelt. I just drove to this shidig in the complete Cadillac. Also note my apparel: most expensive tailoring anyone can find. View my fingernails; nicely manicured, better than I could possibly do myself, and I really don't have the time to do it. Since I am so well heeled, I leave everything to my valet and my chaffer, except going my own talking and making my own trips to the Men's room. And I use nothing but the finest in Men's rooms. The minute Cedar Rapids comes out with a new model, I take out the old one and trade it in at Glump's on the new one, with all the accessories. There's nothing like being able to use the latest equipment."

We suppose you get the drift of our thought at this point. Or perhaps not entirely. You see the writer has a Collins 32S-1 transmitter, and he has been guilty of identifying it as such-although he very carefully avoids making a description of the transmitter the beginning of a QSO. What bothers him is this: he doesn't have the "complete S-line" that all the big boys talk about. No 75S-1 receiver!

Here is what we propose to do: The next time someone says "I'm running the S-line" we are going to answer right back: "I'm running the half S-line!".

(At least, until we get a 75S-1).

W8MGQ in the DARA QMN BULLETIN

It is doubtful if anyone ever made a success of anything who waited until all the conditions were "just right" before starting.

CHANNEL CHATTER

W3QZ0 shouts relax! The license for W3RQZ has been renewed for another five years...This should bring joy to the hearts of all who attended Field Day 1955.....W3TKQ is now officially sponsored by Phil-Mont...Now we have two calls to worry about...Does that make you feel any better Bob???.....W3SRU checked in mobile from Long Island via K3GUA.....W3JIL and W3QZ0 were checking Bob's Walkie-Talkie via aeronautical mobile.....W3DQG has some back issues of QST to give away.....W3AK is now DX, Tex is in Europe.....QZ0 is still checking on the Decal situation and I understand W3VXN is also doing something about trying to get a better price on them.....The question has been asked as to why QZ0 arrived late at the last mid-month???..W3YHV thinks we are the richest club but the poorest fed in the area.K3DJE is mobile in Florida for a few weeks.....One day as I was musing to myself and feeling pretty lowdown, a voice came to me and said, "Cheer up. Things could be worse." So I cheered up. And sure enough, things did get worse.....Seems like one of our esteemed members, W3HQJ, Doc, made the Wall Street Journal with his comments about a certain dentifice.....K3GWM whose 12 Volt converter made "CQ" can be proud of the fact that he came out with his before Sylvania News Technical Section, May, June 1960 Volume 27, No.3 came along with one.....W3BS, Karl, might be happy to know that "Florida Skip" edited by Andy, W4IYT, a real nice guy, has asked to run your Lightning article in his paper.....W3CW seems to be doing FB from the seashore points with his mobile.....I think W3DQG may be operating maritime mobile soon.....W3HFD doing okay acting net control for a round table ...Nice going Frank, we need more of this on 29.93 KC, let's keep the frequency hot!!!! HQJ seems to be in business with his mobile again, sounds real fine, Doc.....W3IM what ever happened to Jay??? I would like to conduct a campaign to get him out to at least one meeting.W3IW sure must be running that Chevvy all over the country, never hear that power-house signal of his.....W3JIL his signal is either up or down, that's a joke, if he isn't up in a plane or a balloon he is putting a nice signal out of Broomall.....W3LEM always helping out the boys with there cars.....W3QCV put in a new mobile rig and is back on the air mobil.....Glad to see W3SAI out more often.....W3UMK still one of the busiest Hams in the areaW3VVS looking better now that the family is home.....W3YJM flying low over Wing's Field every night.....Heard on the frequency that they don't make rectifiers like the old days (Thank goodness for that) like the 80, well G.E. has just announced three new rectifier tubes with a new kind of fabricated 3-ply tubular cathode, with a voltage drop that is less than half of the older high vacuum type, the 3DG4 is one...what with all the new ideas in electron flow along comes another new device the "Compactron" to be used in place of transistors and tubes. Automobile radios which combine the best qualities of both tubes and transistors can be built with two "Compactrons" instead of four tubes.....

* * * * *

SWAP AND SHOP

For Sale:	Surplus Mark II Tank Transmitter-Receiver	New in overseas packaging
	case	Best offer
		W3WNC
	Pentron Champion Tape Recorder	2 speed, fast forward, fast reverse
	erase etc.	\$ 85.00
		W3WNC

PHIL-MONT TEK-NI-GRAM
OCTOBER 1960
A HIGH CAPACITY ANTENNA FOR VERTICAL
HEIGHTS LESS THAN $1/4$ WAVELENGTH
By - John L. Reinartz, K6BJ*

It is known that the field strength generated by a vertical antenna is proportional to the current indicated at the base of the antenna. It is desirable, therefore, to increase this current indication by any means available. One way is to increase the power output from the transmitter. When the power of the transmitter is a finite value and limited, only an increase in the effectiveness of the radiating system will then increase the field strength.

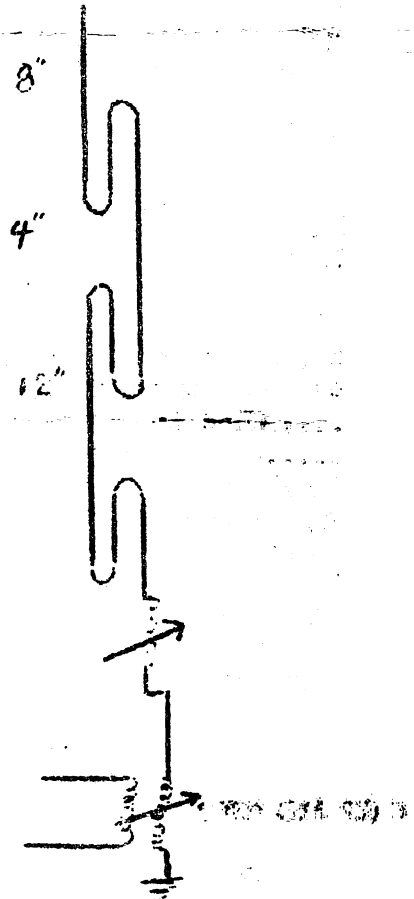
Top loading with a capacity ring or plate as well as center loading with a High-Q inductance, are both being used to raise the current indication at the base of the antenna with a resultant increase in the field strength. For mobile operation, a capacity ring or plate on top of a vertical antenna is not always mechanically feasible, while center loading with a High -Q coil limits the frequency range over which such a system is effective.

A new and novel method for overcoming the shortcomings of the systems described above has been developed by the writer and it has indicated a capability to increase the field strength generated over a simple vertical wire of comparable height. The new antenna is made up as follows:

Starting from the top of any vertical support, such as a bamboo fishing pole or glass rod of any desirable height, an enamel covered copper wire of #16, 14 or 12 B and S gage is started at the top after fastening with rubber tape. Then at the 8" point the wire is turned back up for 4" then down for 12", again turned up for 4", again turned down for 12", etc. to the bottom of the supporting pole. As the wire is turned first up and then down it is placed 120° from the other wire so that the three wires are spaced equidistant around the supporting pole.

The effect of turning the antenna wire up and then down is to decrease the total inductance of this radiating system and to increase its effective capacity resulting in an increased current indication at the base of this antenna for the same power input previously applied to a conventional simple wire antenna of the same height. In addition to the increased field strength gener-

* This article originally published in an Eimac publication was extracted for the "BLURB" by W3AK



ated by this antenna it was also found to be capable of operating over a greatly increased frequency range with comparable signal strength reports for the 2683 Kc Boat frequency and the 3995 Kc amateur frequency used by mobiles, the transmitter power remaining the same. At 3995 Kc the antenna was $1/16$ wave length high.

One-third is added to the usual formula for finding the length of wire in feet required for $1/2$ wavelength. For a grounded $1/4$ wavelength vertical antenna but one-half of this length is required. In each case the resulting physical length of the antenna after folding would shrink to two-thirds of the conventional antenna length. For very high frequencies the folded antennal would allow $3/4$ wave operation at the usual length of the conventional $1/2$ wavelength antenna and with improved results.

Having recently "volunteered" for the job of technical editor of the "BLURB", I would like to express to Tex, W3AK my personal appreciation for the fine job he has done in this post, and to express my deep regret that he has been forced by the press of other business to vacate that position.

I shall make every effort to continue to use these pages for conveying to the members of the club technical information which, I hope, will be of interest and value to all of us. This is not a one-man job. It can only be done with the co-operation of each of you. If you have developed any new circuits, or if you have read of any new "hints and kinks" which you think would be of interest to the other members, please let me know about them. If you can't type, you can do the stencil by hand, and if you can't write, just tell me and I will see that it gets typed.

In the next few months the Tek-ni-gram will contain a series by Lloyd, W3CDY on mobile antennas, their design and installation; modifications to the transmitter circuits of the Heathkit CB-1, Tenner, and GW-10 to permit the use of 7 mc. xtals, and to provide tuning of the final from the front panel, and variable antenna loading; and with any sort of luck a hybrid phone patch that can be built for about \$7.00. These last two items have been provided by non-members of the club, John Lopez, W3GJF and Bernard Mayer K7JTA respectively.

Also in the works are modifications to the receiver section of the Heathkit GW-10 to permit 10 meter operation, and a design for converting old FM tuners into aircraft beacon monitors.

Once again I want to emphasize that these pages will be only as valuable as you make them. Please send me your ideas for future Tek-ni-grams!

73 de K3HIJ